

Course

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CODETANTRA

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1.1.1. Area of Circle

12.58 A ☾ ✎ -

Write a Python program that calculates the area of a circle when the radius is provided by the user. Use $\pi = 3.14$ and display the area.

Input Format:

- A single line containing a floating-point number representing the radius.

Output Format:

- Print the computed area of the circle formatted to 4 decimal places.

Sample Test Cases +

Explorer circleara...

```
1 r=float(input())
2 a = 3.14 * r * r
3 print(f"{a:.4f}")
```

Terminal Test cases

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Algorithm To Calculate Area of a Circle

Step 1: Start the program

Step 2: Declare variables r, area

Step 3: Assign the constant value $\pi = 3.14$

Step 4: Read the radius r from the user

Step 5: Calculate the area using the formula

$$\text{area} = \pi \times r \times r$$

Step 6: Display the calculated area

Step 7: Stop the program

